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patents
NEWS 13 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS 14 AUG 27 Full-text patent databases enhanced with predefined
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NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/CAPLUS enhanced with printed CA page images from
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patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches
Zentralblatt

NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 26 NOV 19 WPIX enhanced with XML display format
NEWS 27 NOV 30 ICSD reloaded with enhancements
NEWS 28 DEC 04 LINPADOCDB now available on STN

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CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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UNMATCHED LEFT PARENTHESIS 'AND (IL-6'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s MR16-1 or (PM-1 or MRA) and (IL-6 or (interleukin 6))

22 MR16
9399859 1
15 MR16-1
 (MR16(W)1)
43639 PM
3947 PMS
47190 PM
 (PM OR PMS)
9399859 1
734 PM-1
 (PM(W)1)
546 MRA
63 MRAS
600 MRA
 (MRA OR MRAS)
132596 IL
1570 ILS
133636 IL
 (IL OR ILS)
3998465 6
32229 IL-6
 (IL(W)6)
168956 INTERLEUKIN
6421 INTERLEUKINS
171012 INTERLEUKIN
 (INTERLEUKIN OR INTERLEUKINS)
3998465 6
40551 INTERLEUKIN 6
 (INTERLEUKIN(W)6)

L1 76 MR16-1 OR (PM-1 OR MRA) AND (IL-6 OR (INTERLEUKIN 6))

=> duplicate remove

ENTER L# LIST OR (END):L1

PROCESSING COMPLETED FOR L1

L2 76 DUPLICATE REMOVE L1 (0 DUPLICATES REMOVED)

=> s L2 and mesothelioma

L3 76 S L2

2750 MESOTHELIOMA

580 MESOTHELIOMAS

2909 MESOTHELIOMA

(MESOTHELIOMA OR MESOTHELIOMAS)

L4 1 L3 AND MESOTHELIOMA

=> d L4 bib abs 1

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:887900 CAPLUS

DN 145:246150

TI Interleukin-6 induces both cell growth and VEGF
production in malignant mesotheliomas

AU Adachi, Yasuo; Aoki, Chieko; Yoshio-Hoshino, Naoko; Takayama, Koichi;
Curiel, David T.; Nishimoto, Norihiro

CS Laboratory of Immune Regulation, Graduate School of Frontier Biosciences,
Osaka University, Osaka, Japan

SO International Journal of Cancer (2006), 119(6), 1303-1311

CODEN: IJCNAW; ISSN: 0020-7136

PB Wiley-Liss, Inc.

DT Journal

LA English

AB Malignant mesothelioma (MM), an incurable tumor, is reportedly
an interleukin-6 (IL-6) secreting
tumor. The pathol. significance of IL-6
overexpression in this tumor, however, has remained unclear. We
investigated the biol. functions of IL-6 in
mesotheliomas. Five mesothelioma cell lines were
analyzed for IL-6 prodn. and IL-6
receptor (IL-6R) expression. Of them, 2 produced high levels of
IL-6, 2 produced intermediate levels and 1 cell line
showed no secretion. All mesothelioma cell lines used in this
study expressed very small amts. of IL-6R mRNA. We compensated for this
low level of IL-6R expression in mesotheliomas by adding
recombinant sol. IL-6R (sIL-6R) to mediate the IL-6
signal. IL-6 together with sIL-6R was found to
promote cell growth of H2052 and H226 MMs classified as high-level

IL-6 producers in a dose-dependent manner. Moreover, a humanized anti-IL-6R antibody (MRA) capable of blocking IL-6 signaling suppressed the cell growth of mesotheliomas induced by IL-6/sIL-6R. These findings demonstrate that IL-6 serves as an autocrine growth factor in the development of mesothelioma. In addn., IL-6/sIL-6R stimulation increased the expression of vascular endothelial growth factor (VEGF) in 4 out of 5 cell lines, and this induction was inhibited by MRA treatment. The involvement of the signal transducer and activator of transcription 3 (STAT3) pathway in both cell growth and VEGF induction by IL-6/sIL-6R was verified by dominant neg. STAT3 transduction combined with adenovirus gene-delivery methods. Although IL-6 induces VEGF through the JAK2/STAT3 pathway, anti-VEGF antibody could not inhibit the IL-6-induced cell growth obsd. in H2052 and H226. We concluded that IL-6-dependent growth does not occur via VEGF induction. These results suggest that treatment with anti-IL-6R antibody may constitute a potential mol. targeting therapy for MMs.

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L1 and mesothelium

2872 MESOTHELIUM

1 MESOTHELIUMS

19 MESOTHELIA

2882 MESOTHELIUM

(MESOTHELIUM OR MESOTHELIUMS OR MESOTHELIA)

L5 1 L1 AND MESOTHELIUM

=> d L5 bib abs 1

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:887900 CAPLUS

DN 145:246150

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<input type="checkbox"/>	L15	L11 and (antagonist or inhibitor)	8
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L14	WO-2006041205-A1.did.	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13	L12 and angiogenesis	6
<input type="checkbox"/>	L12	L11 and (antagonist or inhibitor)	8
<input type="checkbox"/>	L11	(apelin)[TI]	25
<input type="checkbox"/>	L10	L9 and "apelin antibody"	3
<input type="checkbox"/>	L9	L8 and antibody	15
<input type="checkbox"/>	L8	L6 and angiogenesis and APJ	17
<input type="checkbox"/>	L7	L6 and angiogenesis	58
<input type="checkbox"/>	L6	((apln or apel or (agtr11 ligand) or apelin) and (antagonist or inhibitor))	247
<input type="checkbox"/>	L5	(apln or apel or (agtr11 ligand) or apelin) and (antagonist or inhibitor)	247
<input type="checkbox"/>	L4	L3 and (anti-apelin)	3
<input type="checkbox"/>	L3	L2 and (antagonist or inhibitor)	58
<input type="checkbox"/>	L2	L1 and angiogenesis	65
<input type="checkbox"/>	L1	(apln or apel or (agtr11 ligand) or apelin)	4038

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#16	Search #10 and angiogenesis Limits: Publication Date to 2005/1/14	13:46:03	0
#15	Search (apln or apel or (agtrl1 ligand) or apelin) Limits: Publication Date to 2005/1/14	13:42:44	469
#14	Search (apln or apel or (agtrl1 ligand) or apelin) and angiogenesis Limits: Publication Date to 2005/1/14	13:40:39	2
#13	Search (apln or apel or (agtrl1 ligand) or apelin) and angiogenesis	13:31:26	8
#12	Search apln or apel or (agtrl1 ligand) or apelin and angiogenesis	13:31:02	588
#10	Search apln or apel or (agtrl1 ligand) or apelin and (antagonist or inhibitor)	13:30:00	34
#11	Search apln or apel or (agtrl1 ligand) or apelin and (antagonist or inhibitor) and angiogenesis	13:29:46	0
#9	Search apln or apel or (agtrl1 ligand) and (antagonist)	13:28:07	6
#8	Search apelin and (antagonist)	13:27:19	5
#7	Search apelin and (antagonist or agonist)	13:26:18	6
#3	Search apln or apel or (agtrl1 ligand) and angiogenesis	13:19:53	3
#2	Search apln or apel or (agtrl1 ligand)	13:15:42	583
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